

Request for Quote (RFQ) for Modified Analysis

Date: July 19, 2012

Subject: Modification Reference Number: 2234.1
Title: ICP-MS plus Thorium and Uranium
Sample Matrix: Water
Method Affected: ICP-MS
Method Source: ISM01.3 SOW

Purpose:

The Contractor Laboratory is requested to perform the following modified analyses under the Inorganic Statement of Work (SOW) ISM01.3, based on the additional specifications listed below. Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in SOW ISM01.3 remain unchanged and in full force and effect. The number of samples requested in this modification is not guaranteed.

Please note that accepting a modified analysis request is voluntary, and that the Laboratory is not required to accept the modified analysis. There will be no adverse effect to the Laboratory for not accepting the modified analysis request. However, once the Laboratory accepts the request for modified analysis, it shall perform the analysis in accordance with this modification and as specified in SOW ISM01.3.

The Laboratory is requested to review the modification described herein, determine whether or not it shall accept the requested modified analyses, and complete the attached response form. The Laboratory shall provide comments in response to the required changes in the designated area, in order to ensure that the modified analysis can be completed in accordance with the specifications described herein.

Modification to the SOW Specifications:

The contract Laboratory shall analyze water/aqueous samples for the Target Analyte List (TAL) (Cd, Cr, As, Cu, Pb, Ni, Se, Tl and Sb) and the additional analytes Thorium (Th, CASRN 7440-29-1) and Uranium (U, CASRN 7440-61-1) by ICP-MS as indicated on the Traffic Report/Chain of Custody Record and Laboratory Scheduling Notification form.

The Contract Required Quantitation Limits (CRQLs) for the following analytes and matrices have been modified. All other CRQLs remain at the level specified in the SOW.

Analyte	Aqueous CRQL (µg/L)	Aqueous Spike level (µg/L)
Thorium	1.0	100
Uranium	1.0	100

Some samples may be received at a reduced volume, less than 100ml but greater than 50ml. The samples will not be shipped at 4°C (±2°C). The Laboratory shall note the temperature at the time of receipt in the SDG Narrative and proceed with analysis.

The Laboratory shall:

- Perform the Initial Calibration as currently in the SOW except that the lowest non-blank standard be set at the CRQL for all analytes.
- Add Th and U to the ICV and CCV at appropriate mid-range concentrations.
- Evaluate the ICB and CCB against the (modified) aqueous CRQLs.
- Perform the Matrix Spike at the levels specified above. Post-digestion spike requirements are per the SOW.
- Add Th and U to the LCS at 2 times the modified CRQLs.
- Add Th and U to Forms 1, 2A, 3, 4B, 5A (5B), 6, 7, 8, 9, 11, 13, and 16.

The acceptance criterion for the initial calibration correlation coefficient is modified to $r \geq 0.998$.

The Laboratory shall re-analyze the low-level (at CRQL) calibration standard at the end of the run. The Percent Difference between the true value and the measured value shall be within ±30%.

The CCV and CCB shall be analyzed after every 10 analytical samples.

The Laboratory is not required to add Th or U to the ICSA/ICSAB solutions. The Laboratory shall use a true value of zero (0) and acceptance windows of $\pm 2 \times$ the modified aqueous CRQL unless a non-zero value has been determined for the solutions.

The Laboratory is not required to bracket Th or U with an internal standard having a mass greater than 238. The analysis of the Bismuth internal standard at mass 209 is sufficient.

As part of the complete data package, the Laboratory shall provide:

- Method Detection Limits for Th and U.
- All masses monitored, and all masses used for quantitation.
- All corrections applied to the data to handle interferences and used to generate the final corrected instrument result.

Reporting Requirements:

Hardcopy and electronic data reporting are required as specified per SOW ISM01.3. All hardcopy and electronic data shall be adjusted to incorporate modified specifications. This includes attaching a copy of the requirements for modified analysis to the SDG Narrative. If specific problems occur with incorporation of the modified analysis into the hardcopy and/or electronic deliverable, the Laboratory shall contact the DASS Manager within the Sample Management Office (SMO) at (703) 818-4233 or via email at CCSSUPPORT@fedcsc.com for resolution.

All samples analyzed for the same fraction within an SDG must be analyzed under the same fractional requirements. The Laboratory shall not include data for the same fraction with different requirements in the same SDG.

The Laboratory shall include the Modification Reference Number 2234.1 on each hardcopy data form under the “Mod. Ref. No:” header appearing on each form as well as the SamplePlusMethod/ClientMethodModificationID element of the electronic deliverable. The Laboratory shall also document the Modification Reference Number and Solicitation Number on the SDG Coversheet and SDG Narrative.

Clarifications/Revisions to the RFQ for Modified Analysis:

Laboratory Name:

Laboratory Comments:

Contractor Laboratory Acknowledgment Document

Analysis	Modification Reference Number	Hardcopy Turnaround Requirement	Preliminary Results (Y/N)	(A) Estimated No. of Samples by Matrix*	Cost For Modified Analysis	
					(B) New Per Sample Price	(A x B) Total Cost
ICP-MS 11+ Metals	2234.1	7 days	N	20 water 28 water (filtered)	\$ _____	\$ _____
Mercury	N/A	7 days	N	20 water 28 water (filtered)	\$ _____	\$ _____
					Total Project Cost	\$ _____

Project Information

Estimated Shipping Period:

07/19/2012

Additional Information:

The Laboratory shall provide Method Detection Limits for Th and U with their bid.

Note: **The Government will make award to the contractor whose offer provides the best value to the Government, price and past performance considered.** The requirements in the RFQ are as stated, and the Government will reduce the line item price listed on the bid sheet for late deliverables at a rate of 5 percent per calendar day late, up to a maximum of 50 percent. The Government will treat noncompliant data and late data for Preliminary Results in accordance with the terms and conditions of the contract, using the price listed on the bid sheet as the basis for the calculation.

***Laboratory generated QC (including MS/MSD and LCS), along with any dilutions and/or re-analyses necessary to produce compliant data, are not billable for any analyses included in this solicitation.**

***PDF delivery is required for all analyses and should be considered in the new per sample price.**

Name of Contractor Laboratory: _____

Contract Number: _____

___ Laboratory AGREES to perform analysis through the modified analysis protocol outlined in Modified Analysis Request. **By agreeing to this solicitation, the laboratory accepts samples that may be scheduled over the monthly contract capacity outlined in the laboratory's contract.**

___ Laboratory DECLINES to perform analysis through the modified analysis protocol outlined in Modified Analysis Request.

Signature of Laboratory Representative: _____

Date: _____

Signature of USEPA Contracting Officer: _____

Date: _____

Analysis: Description of the analyses being requested by the USEPA for this Case. This column is completed by SMO.

Modification Reference Number: The numerical value assigned to the technical requirements describing the changes to the Statement of Work. This column is completed by SMO.

Hardcopy Turnaround Requirement: The analytical data turnaround time required for this Case. This column is completed by SMO.

Preliminary Results: Indicates if Preliminary Results are required for the line item. This column is completed by SMO.

Estimated No. of Samples by Matrix: The client's estimated number of samples (by matrix), to be collected and shipped to the laboratory. This column is completed by SMO.

New Per Sample Price: Laboratory's sample price for analyzing the samples identified in the line item. This column is completed by the laboratory.

Total Cost: This value is the Estimated No. of Samples multiplied by the New Per Sample Price. This column is completed by the laboratory.

Total Project Cost: Sum of the total costs for all line items. This is completed by the laboratory.